

# SIMPO 5000

51.2V 3U Battery System

5.12kWh/100Ah



## SIMPO 5000

System Data	
Battery Type	LiFePO4 (Lithium Iron Phosphate)
Nominal Capacity	100Ah
Usable Capacity	5.12kWh/100Ah
Nominal Voltage	51.2V
Voltage Range	40.8v ~58.08v
Weight	44kg
Dimension(WxHxD)	482x134x518 mm
Maximum Continuous Current	100A
Peak Current (5 Seconds)	200A
Efficiency(@0.5C)	95.0%
Communication	CAN / No Com
Cycle Life	> 6,000 (25°C)
Certificates	UN38.3, CE, IEC62619
Charging Temperature	-10°C ~ +55°C
Discharging Temperature	-20°C ~ +55°C
Depth of Discharge (DOD)	100%
Scalability	Max 64 units in Parallel

## 12 Premium Benefits to Easy Your Project Easy



### Communication Free Mode

2 comm options,  
CAN communication managed&  
communication free self-managed



### No Communication Hub

No extra communication hub needed for parallel connections. Each battery can be the master to manage the whole system



### Charging at -10°C

Low temperature friendly battery technology, ensures optimal charging / discharging even in winter, down to -10°C



### Pre-wired Cabinet

Pre-wired battery cabinets to suit 6 or 10 batteries for ease of installation and better space utilisation



### Hot Swappable

Easy maintenance, without interruption of system running



### Auto Setup

Automated setup, no app needed. Start running the system in minutes with a quick installation



### 64 Max Scalability

Up to 64 units in parallel, no extra communication parts needed, with a standard 19-inch rack design for maximum project flexibility



### High C Rate

Power class increased with pre-wired DC busbar. Maximize the system power, minimize the battery size



### Design Tool

Unique project calculator for effort-less sizing and seamless pairing with inverters



### Portal Monitoring

Simplify monitoring and control of your energy storage projects with a personalized online portal



### 10 Years Warranty

10 Years 70% performance warranty. We stand by the high quality and reliability of our solutions



### Integrated Air Switch

Advanced system protection, ensuring the utmost safety for your power supply